

Docket No. 202182US3/ims



CFW
1723/4
CC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kimio INOUE

SERIAL NO: 09/767,885

GAU: 1723

FILED: January 24, 2001

EXAMINER: D. L. SORKIN

FOR: SCREW SET FOR EXTRUDER

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,

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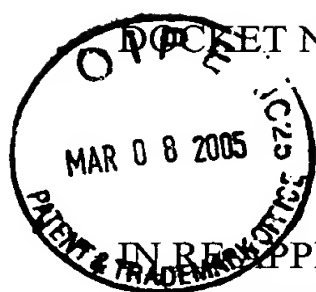
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STATEMENT OF RELEVANCY

Reference AO (JP 6-47734) on Form PTO-1449:

PURPOSE: To provide rotors effective for gel elimination which can effectively apply shear stress corresponding to various kinds of materials by constituting the kneading part of the rotors separately with a feed blade segment, a return blade segment, and an apex segment of straight blade each of which can be set exchangeably to the center shaft of the rotor.

CONSTITUTION: Two rotors 8 are composed of a feed blade 22 and return blade 23 which are twisted respectively in the feed and return directions and have a kneading part B in which the feed blade 22 and return blade 23 cross each other to form an apex. The rotors 2 are inserted into the barrel of a kneader or an extruder to be able to rotate. The kneading part B of the rotors 8 is composed separately of a feed blade segment 1, a return blade segment 2, and an apex segment 3 of a straight blade. In this way, the best clearance for gel elimination can be obtained only by exchanging the segments according to the properties of materials. Efficient shear stress can be applied to the material which passes through the clearance.

The document discloses only the construction of the kneading rotor.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 202182US3		SERIAL NO. 09/767,885	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Kimio INOUE			
FILING DATE January 24, 2001				GROUP 1723			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	AO 6-47734	02/22/1994	JAPAN				X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							